

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW031919\
 Data File : VW009248.D
 Acq On : 19 Mar 2019 18:20
 Operator : SY/VA
 Sample : K1974-01
 Misc : 5.08G/5ML/MSVOA W/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 WC4

Quant Time: Mar 20 07:58:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 20 07:22:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	275802	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	453764	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	436073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	252348	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	168459	57.42	ug/l	0.00
Spiked Amount			Recovery	=	114.84%	
35) Dibromofluoromethane	7.88	113	149617	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
50) Toluene-d8	10.32	98	704038	67.30	ug/l	0.00
Spiked Amount			Recovery	=	134.60%	
62) 4-Bromofluorobenzene	12.62	95	262476	68.34	ug/l	0.00
Spiked Amount			Recovery	=	136.68%	

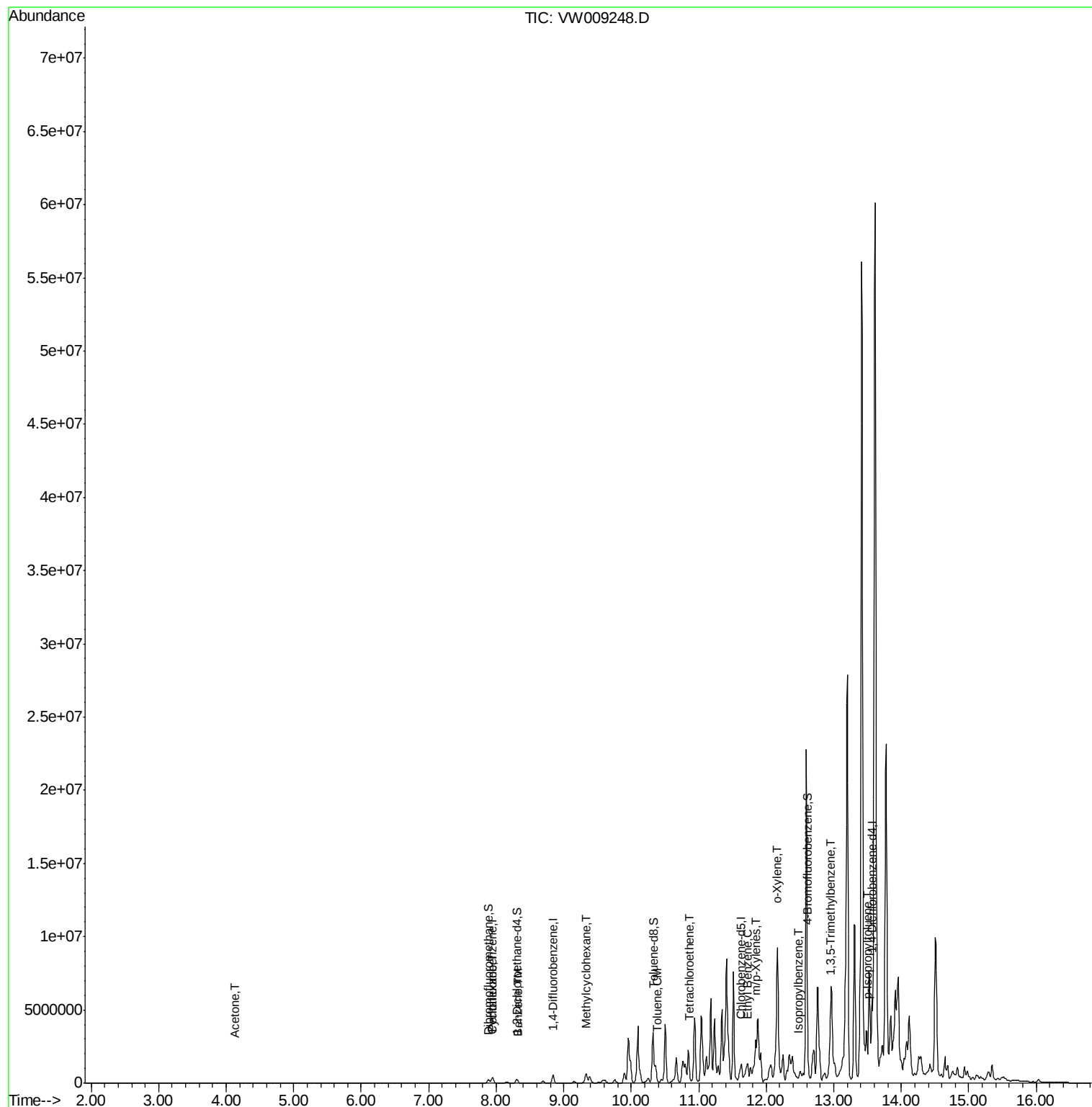
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.12	43	9281	15.420	ug/l	90
31) Cyclohexane	7.93	56	18223	3.786	ug/l #	51
39) Methylcyclohexane	9.34	83	157971	30.239	ug/l #	83
40) Benzene	8.32	78	13225	1.080	ug/l	99
52) Toluene	10.38	92	27387	3.530	ug/l	97
64) Tetrachloroethene	10.87	164	3169	1.061	ug/l	96
67) Ethyl Benzene	11.73	91	44784	2.867	ug/l	94
68) m/p-Xylenes	11.84	106	50401	8.324	ug/l	77
69) o-Xylene	12.16	106	2069524	368.090	ug/l	99
73) Isopropylbenzene	12.47	105	23133	1.372	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	170230	11.868	ug/l	98
86) p-Isopropyltoluene	13.50	119	45327	2.810	ug/l	90

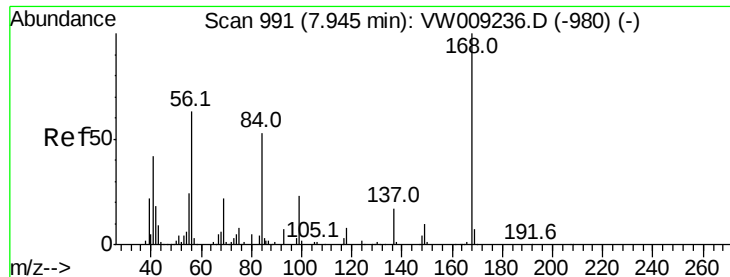
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW031919\
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Quant Time: Mar 20 07:58:05 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W031919S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 20 07:22:50 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. 0.00 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

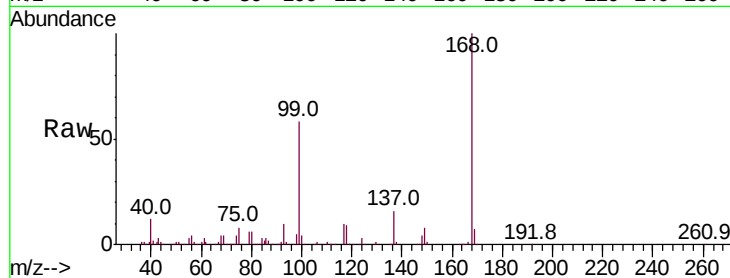
WC4

Tot Ion:168 Resp: 275802

Ion Ratio Lower Upper

168 100

99 58.2 45.4 68.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

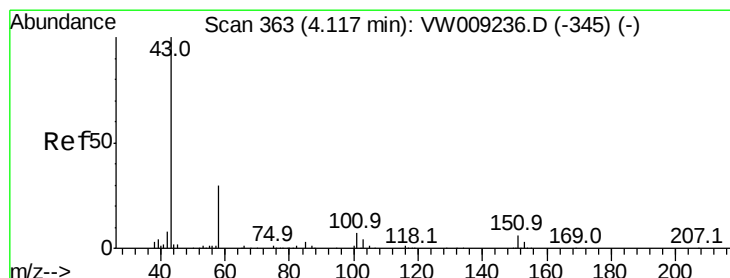
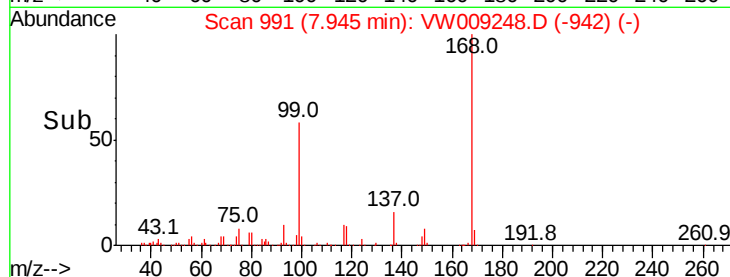
100000

50000

0

7.90 8.00

Time-->



#16

Acetone

Concen: 15.420 ug/l

RT: 4.12 min Scan# 363

Delta R.T. 0.00 min

Lab File: VW009248.D

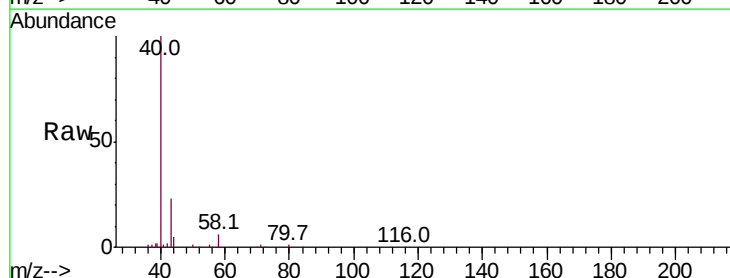
Acq: 19 Mar 2019 18:20

Tgt Ion: 43 Resp: 9281

Ion Ratio Lower Upper

43 100

58 23.9 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.12

3000

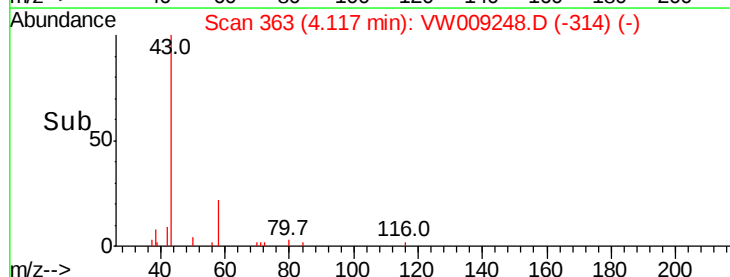
2000

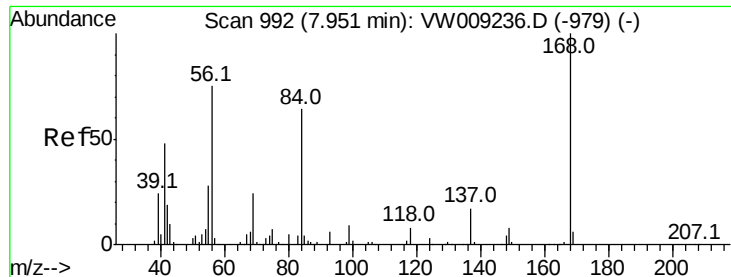
1000

0

4.00 4.10 4.20

Time-->

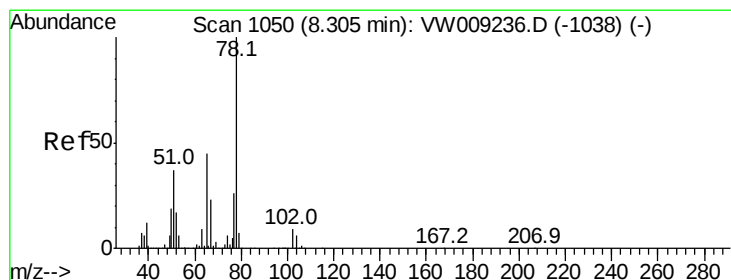
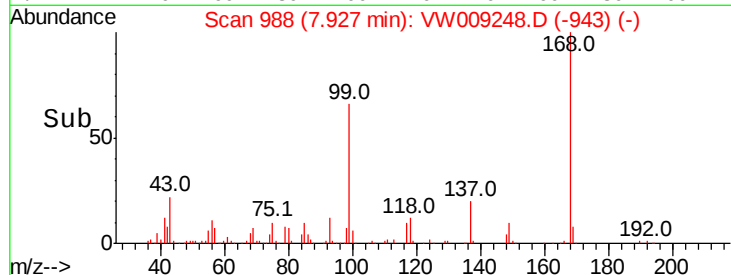
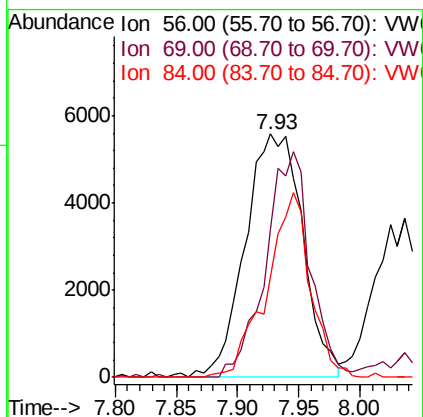
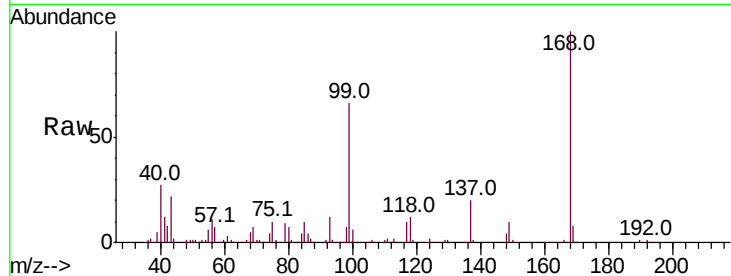




#31
Cyclohexane
Concen: 3.786 ug/l
RT: 7.93 min Scan# 988
Delta R.T. -0.02 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

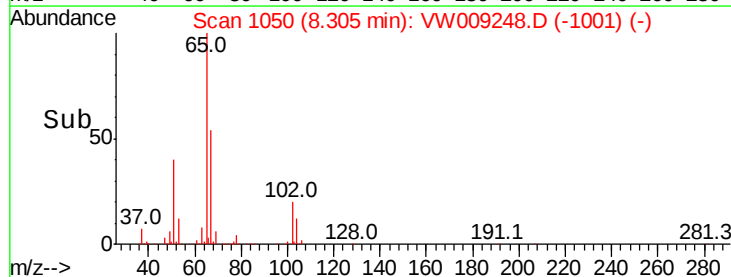
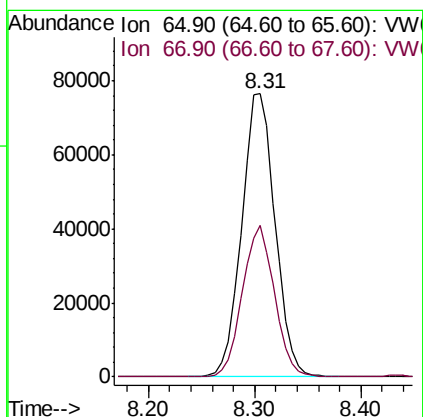
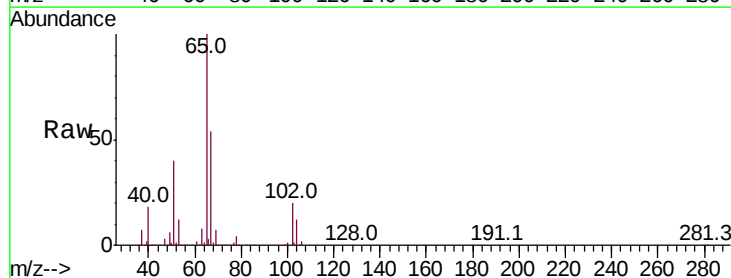
Instrument :
MSVOA_W
ClientSampled :
WC4

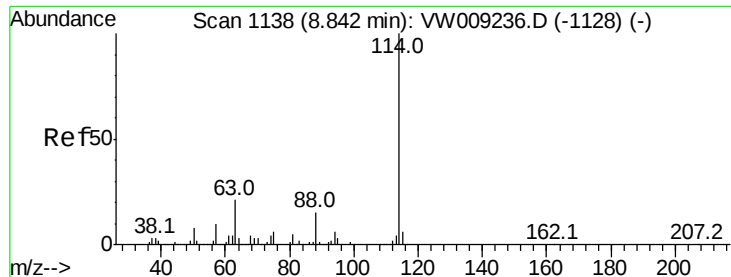
Tot Ion: 56 Resp: 18223
Ion Ratio Lower Upper
56 100
69 60.4 26.1 39.1#
84 40.9 68.6 103.0#



#33
1,2-Dichloroethane-d4
Concen: 57.423 ug/l
RT: 8.31 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

Tgt Ion: 65 Resp: 168459
Ion Ratio Lower Upper
65 100
67 51.4 0.0 102.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

WC4

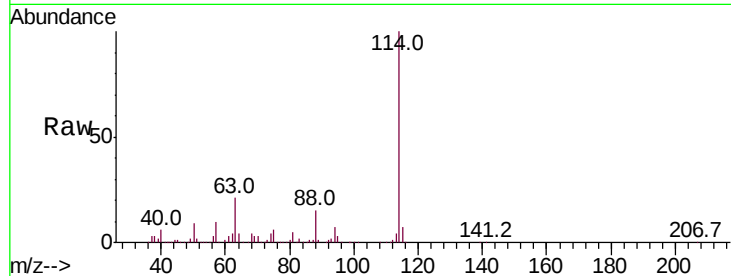
Tot Ion:114 Resp: 453764

Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.2

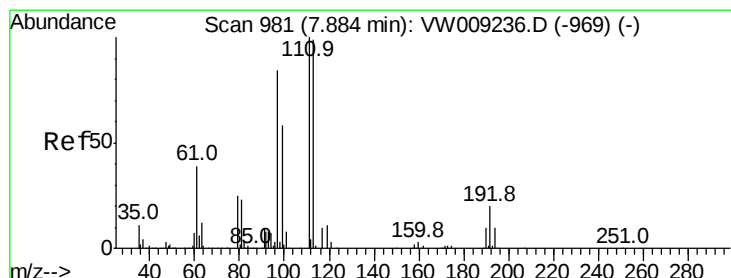
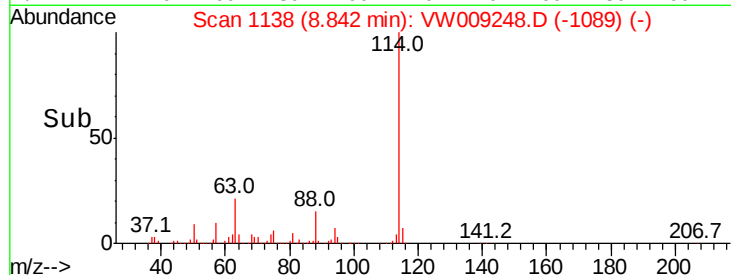
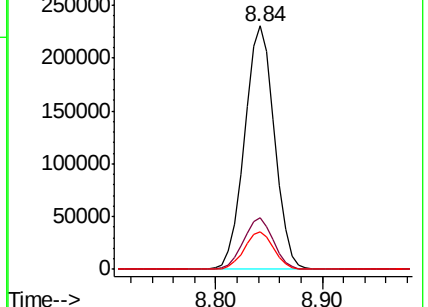
88 15.5 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW



#35

Dibromofluoromethane

Concen: 51.979 ug/l

RT: 7.88 min Scan# 980

Delta R.T. -0.01 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

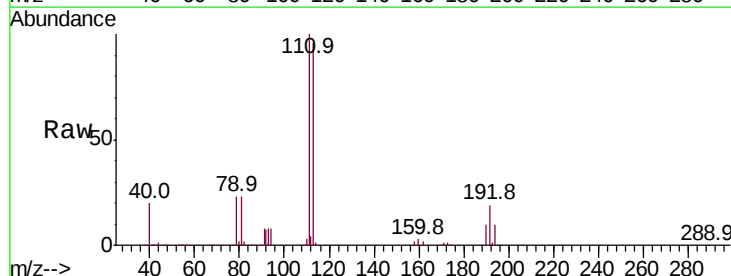
Tgt Ion:113 Resp: 149617

Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

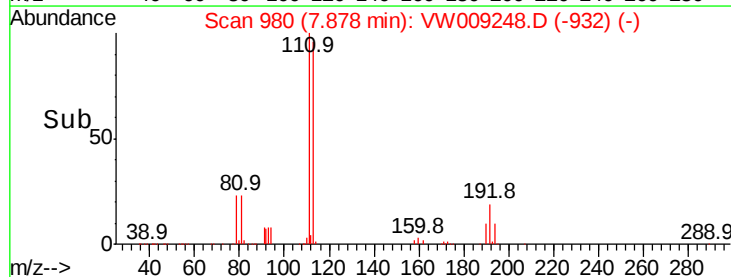
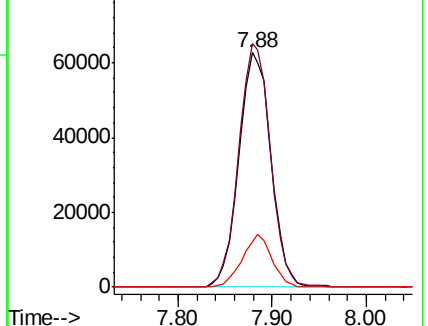
192 20.8 16.4 24.6

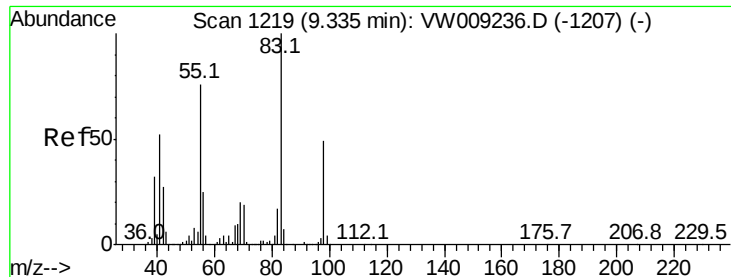


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

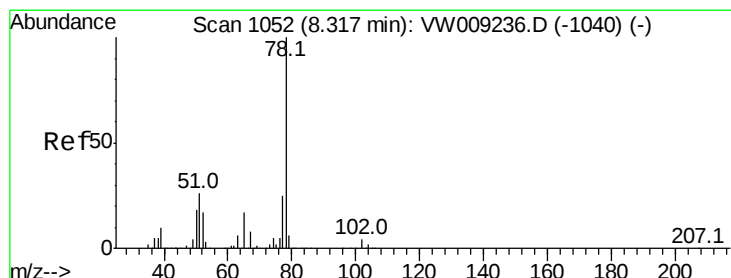
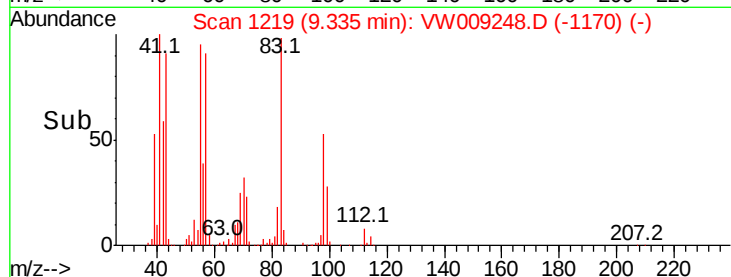
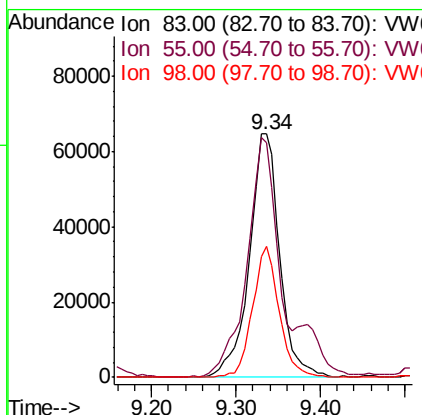
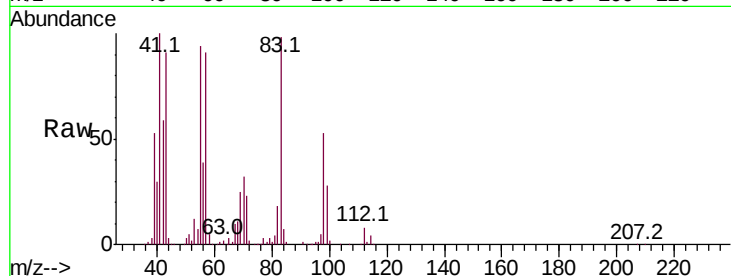




#39
Methvlcvclohexane
Concen: 30.239 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

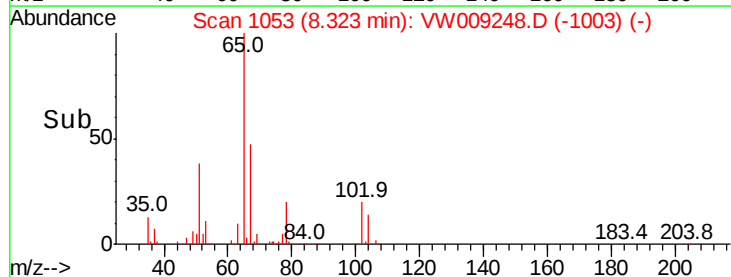
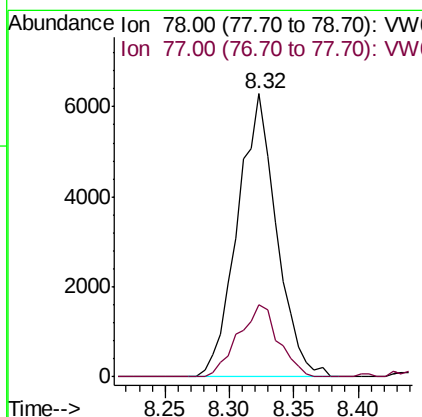
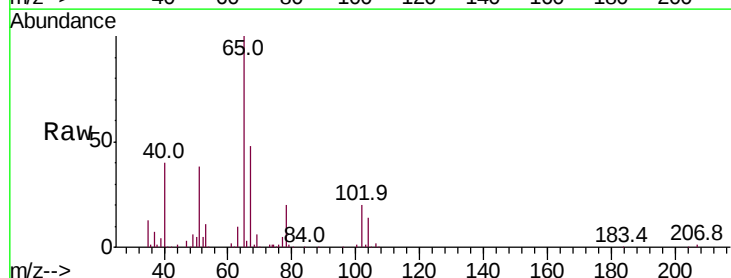
Instrument :
MSVOA_W
ClientSampleId :
WC4

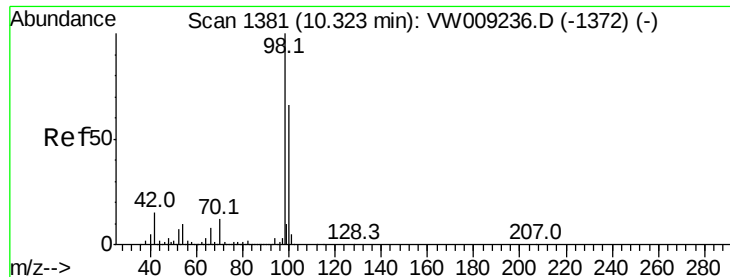
Tot Ion: 83 Resp: 157971
Ion Ratio Lower Upper
83 100
55 95.8 61.1 91.7#
98 53.9 39.0 58.4



#40
Benzene
Concen: 1.080 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.01 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

Tgt Ion: 78 Resp: 13225
Ion Ratio Lower Upper
78 100
77 25.4 19.8 29.6





#50

Toluene-d8

Concen: 67.305 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

Instrument :

MSVOA_W

ClientSampled :

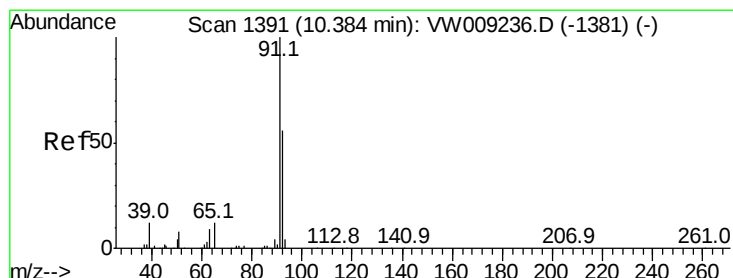
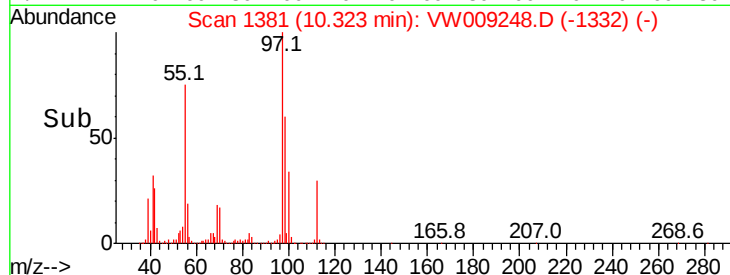
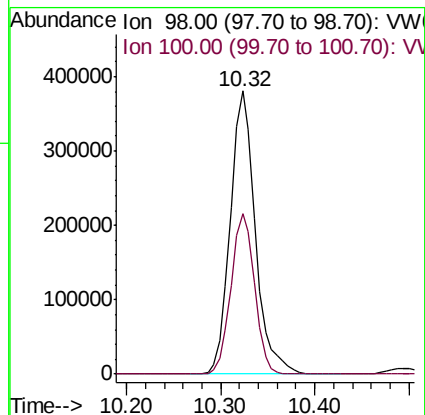
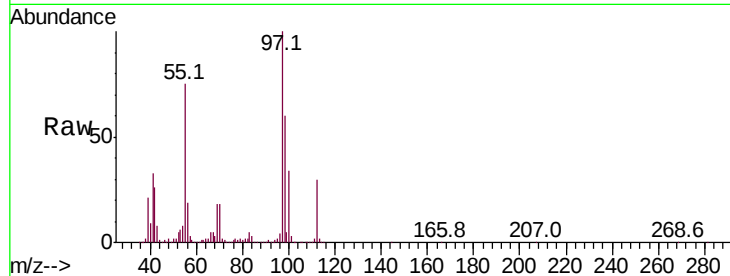
WC4

Tot Ion: 98 Resp: 704038

Ion Ratio Lower Upper

98 100

100 53.2 52.6 79.0



#52

Toluene

Concen: 3.530 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW009248.D

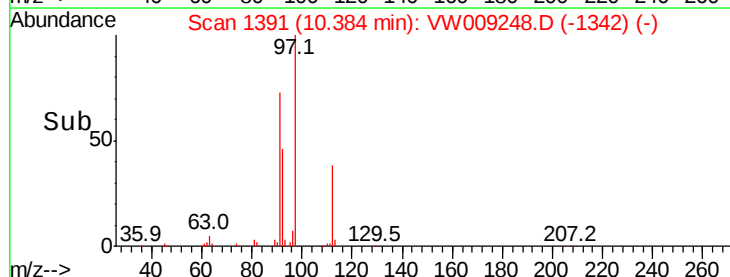
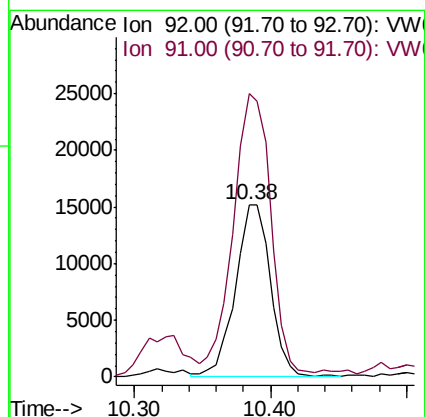
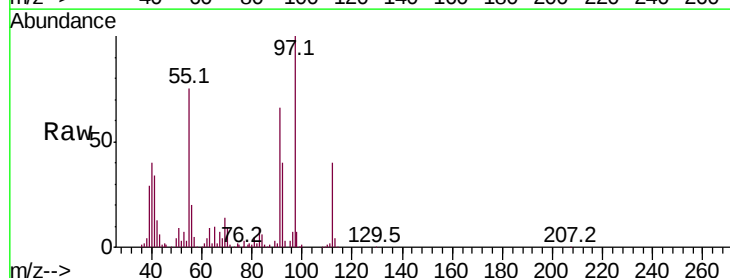
Acq: 19 Mar 2019 18:20

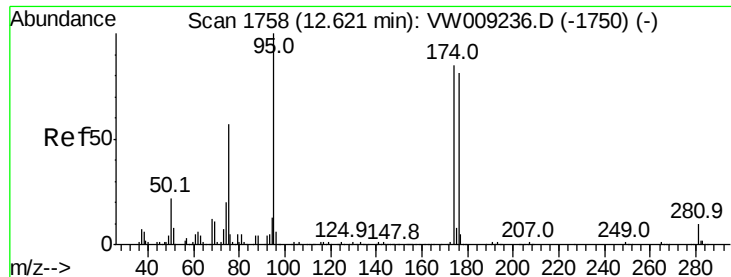
Tgt Ion: 92 Resp: 27387

Ion Ratio Lower Upper

92 100

91 171.5 140.1 210.1

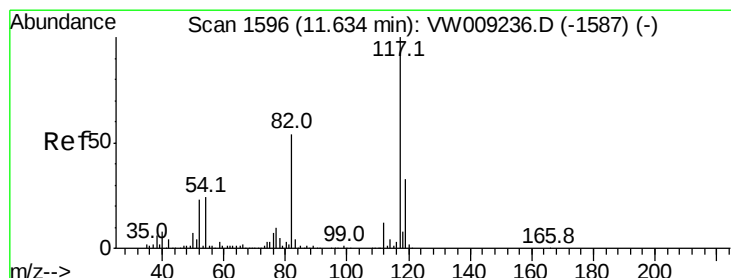
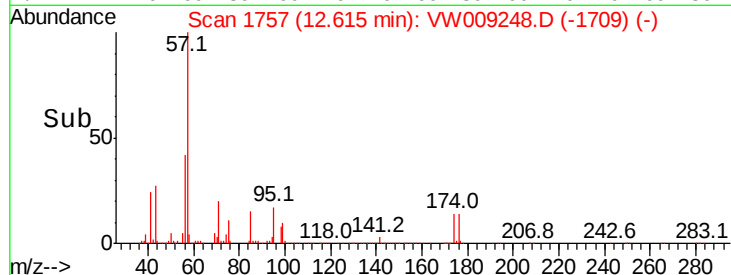
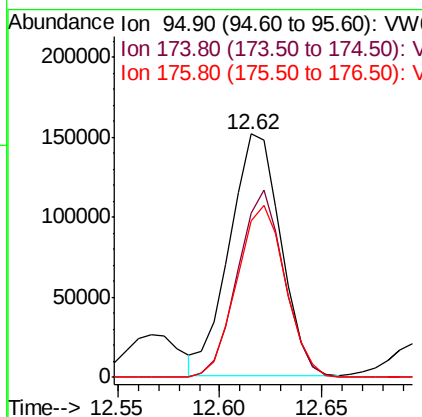
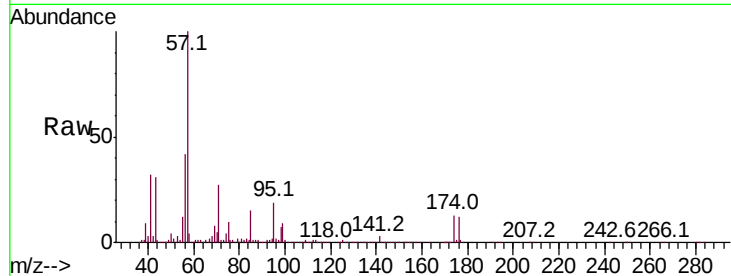




#62
4-Bromofluorobenzene
Concen: 68.340 ug/l
RT: 12.62 min Scan# 1757
Delta R.T. -0.01 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

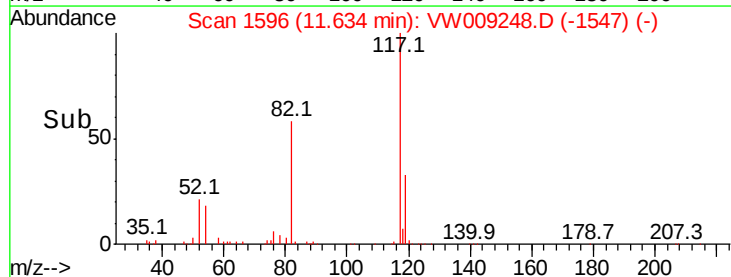
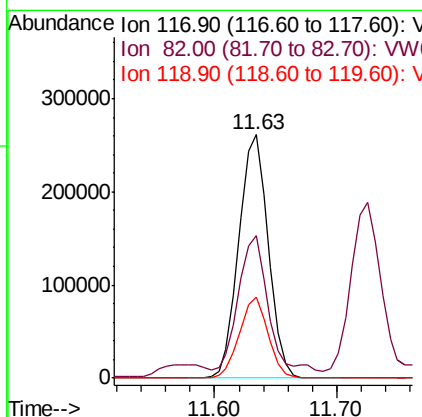
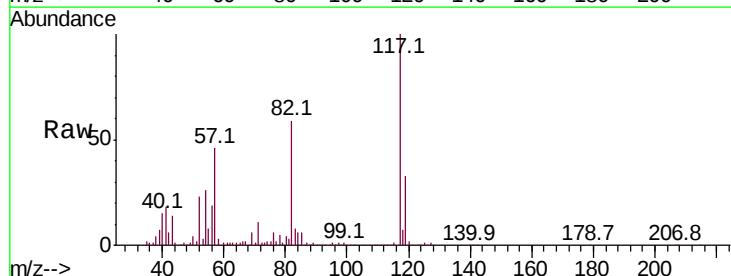
Instrument :
MSVOA_W
ClientSampleId :
WC4

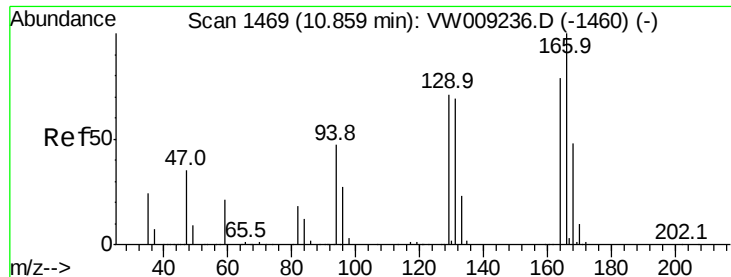
Tot Ion	95	174	176
Resp	262476		
Ratio	100	70.6	67.9
Lower		0.0	0.0
Upper		168.4	161.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

Tgt Ion	117	82	119
Resp	436073		
Ratio	100	53.1	33.2
Lower		43.6	26.0
Upper		65.4	39.0





#64

Tetrachloroethene

Concen: 1.061 ug/l

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

Instrument :

MSVOA_W

ClientSampleId :

WC4

Tot Ion:164 Resp: 3169

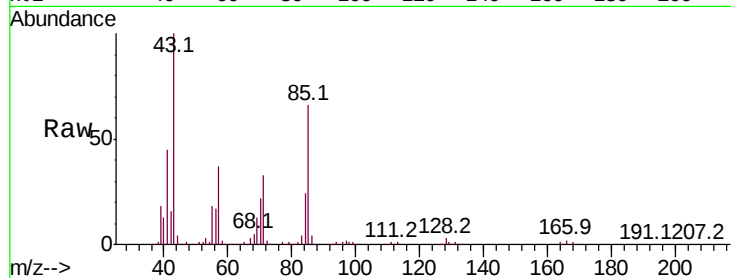
Ion Ratio Lower Upper

164 100

166 128.0 100.9 151.3

129 98.2 72.0 108.0

131 88.9 69.8 104.6

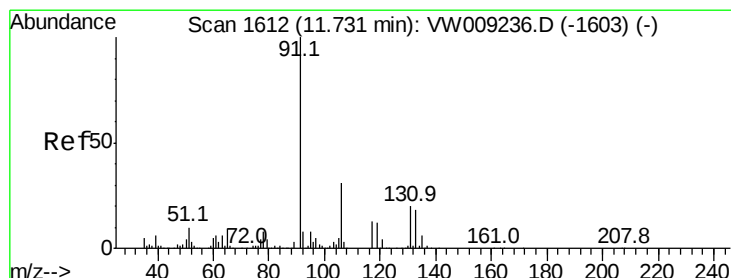
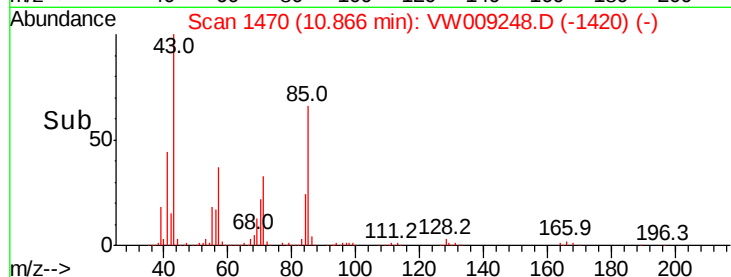
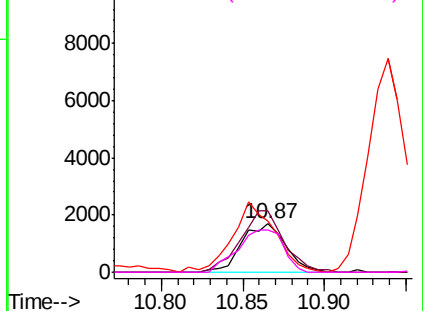


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 2.867 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW009248.D

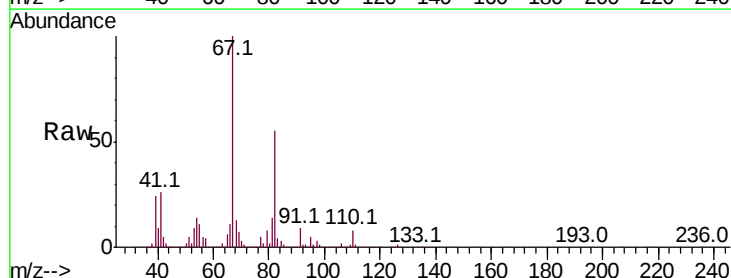
Acq: 19 Mar 2019 18:20

Tgt Ion: 91 Resp: 44784

Ion Ratio Lower Upper

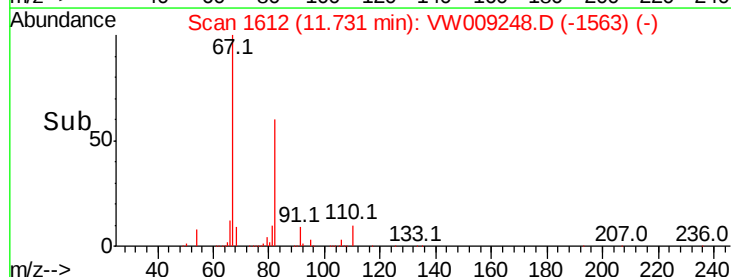
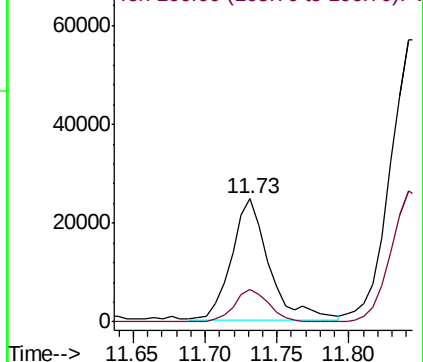
91 100

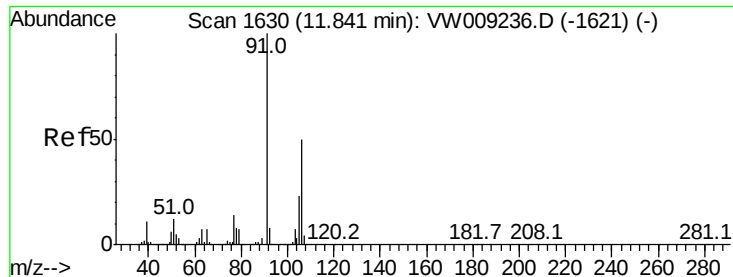
106 27.2 24.6 36.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 8.324 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW009248.D

Acq: 19 Mar 2019 18:20

Instrument :

MSVOA_W

ClientSampled :

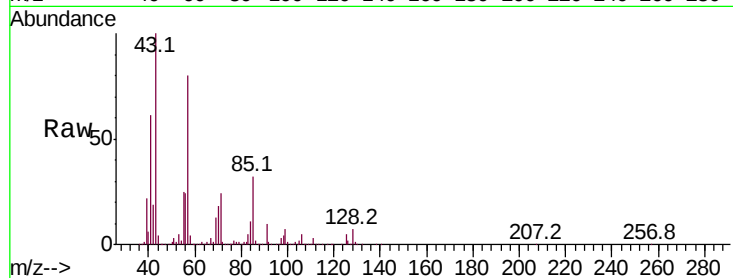
WC4

Tot Ion:106 Resp: 50401

Ion Ratio Lower Upper

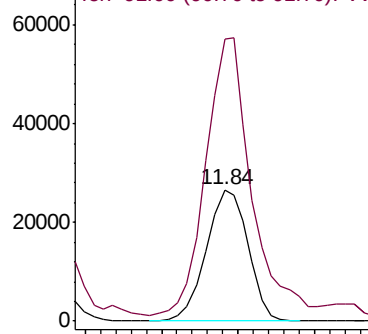
106 100

91 239.1 163.1 244.7

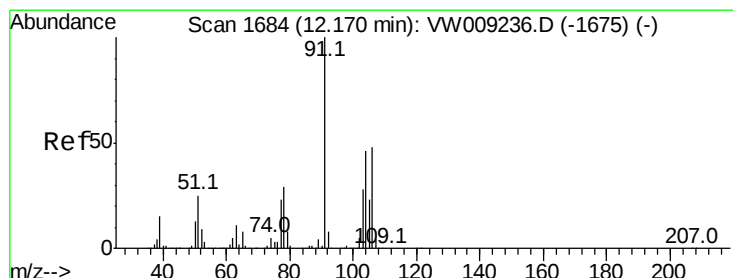
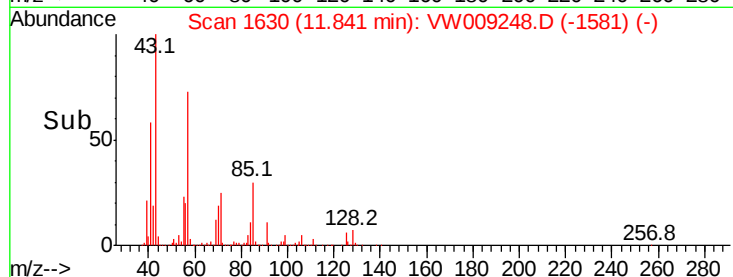


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



#69

o-Xylene

Concen: 368.090 ug/l

RT: 12.16 min Scan# 1683

Delta R.T. -0.01 min

Lab File: VW009248.D

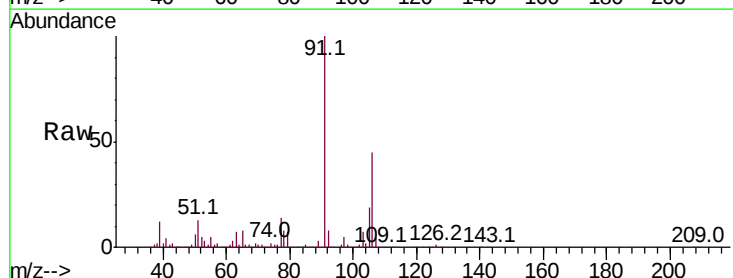
Acq: 19 Mar 2019 18:20

Tgt Ion:106 Resp: 2069524

Ion Ratio Lower Upper

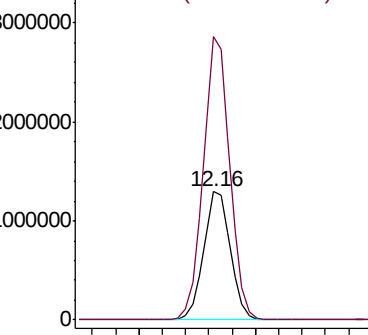
106 100

91 218.9 108.6 325.8

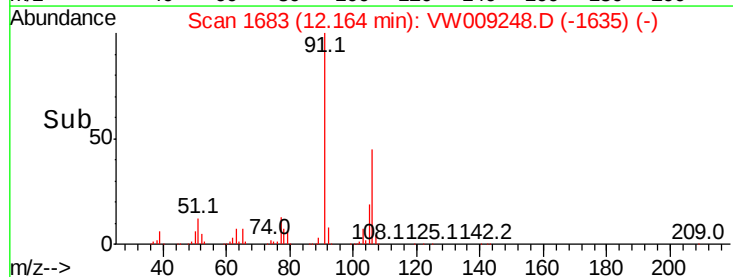


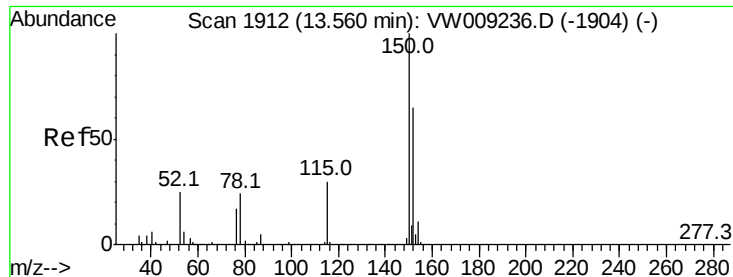
Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



Time-->



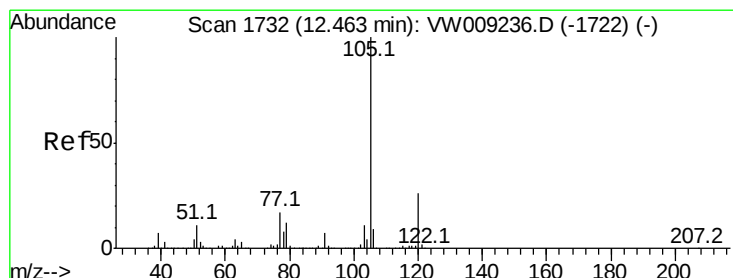
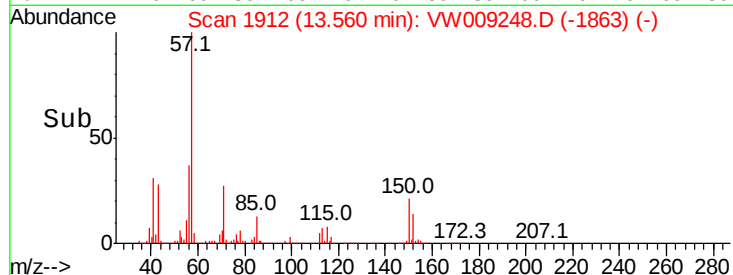
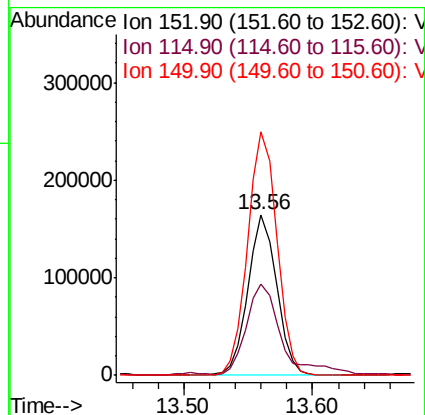
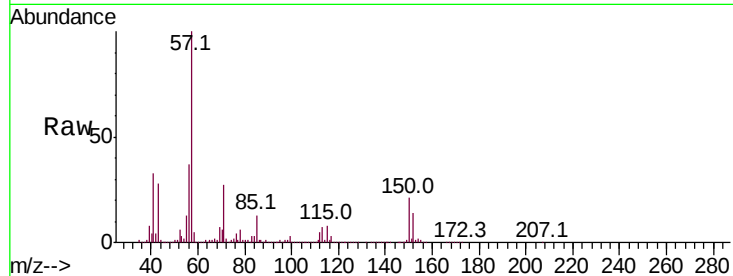


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

Instrument :
MSVOA_W
ClientSampleId :
WC4

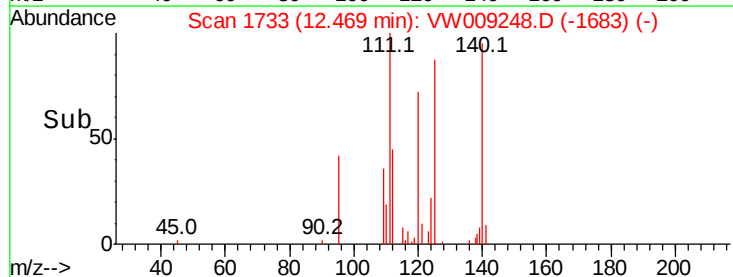
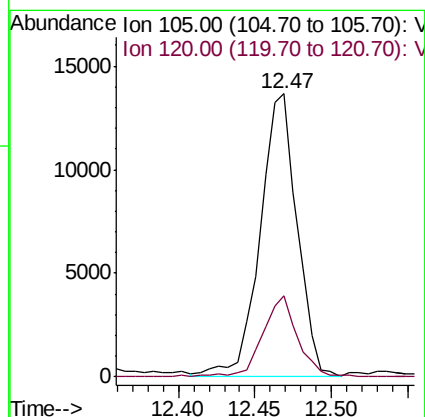
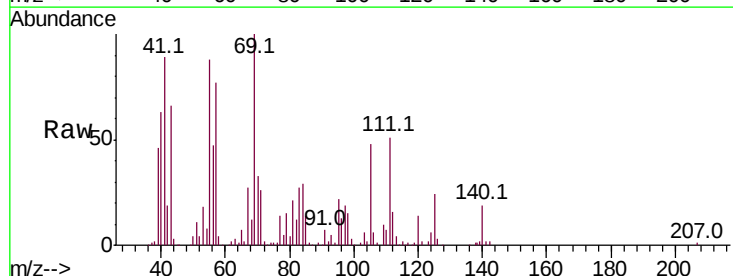
Tot Ion:152 Resp: 252348
Ion Ratio Lower Upper
152 100
115 67.8 29.6 88.8
150 154.8 0.0 349.2

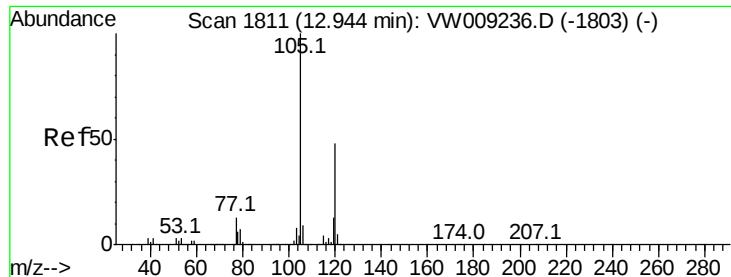


#73

Isopropylbenzene
Concen: 1.372 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. 0.01 min
Lab File: VW009248.D
Acq: 19 Mar 2019 18:20

Tgt Ion:105 Resp: 23133
Ion Ratio Lower Upper
105 100
120 27.1 13.0 39.0

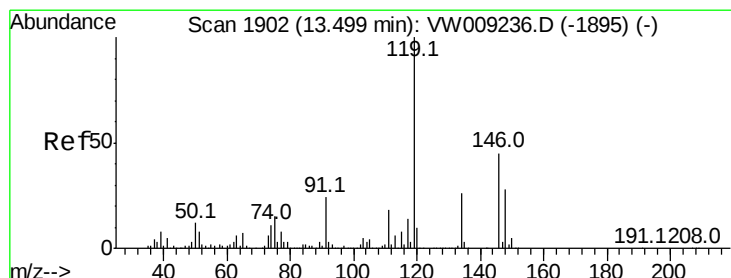
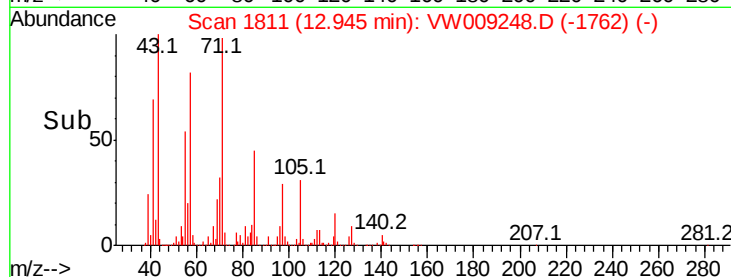
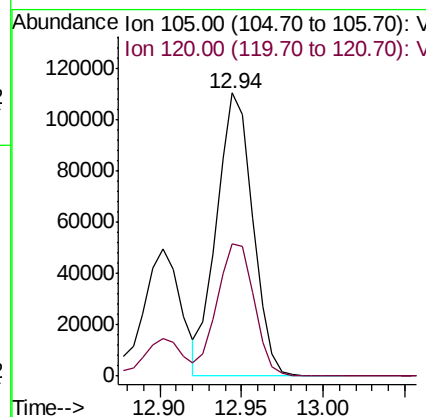
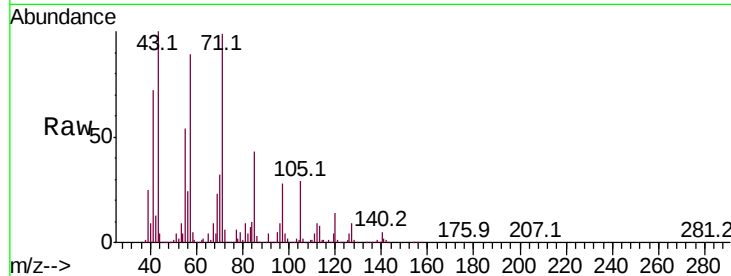




#80
 1,3,5-Trimethylbenzene
 Concen: 11.868 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW009248.D
 Acq: 19 Mar 2019 18:20

Instrument :
 MSVOA_W
 ClientSampled :
 WC4

Tot Ion:105 Resp: 170230
 Ion Ratio Lower Upper
 105 100
 120 48.2 24.6 74.0



#86
 p-Isopropyltoluene
 Concen: 2.810 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW009248.D
 Acq: 19 Mar 2019 18:20

Tgt Ion:119 Resp: 45327
 Ion Ratio Lower Upper
 119 100
 134 24.7 13.1 39.3
 91 33.0 12.3 36.8

